

# Does it dissolve?



**Aim:** To discover substances which are 'hydawdd' and 'anhydawdd' (soluble and insoluble).

## Equipment:

- Different substances e.g.
  - salt
  - sugar
  - chalk
  - talc
  - coffee
  - sand
  - soil
  - flour
  - pepper
  - cube of jelly
- A see-through container with 100ml of warm (not hot!) water
- A teaspoon to measure
- A stirrer
- A timer e.g. clock or phone
- Pen and paper to record your findings.

## Safety:



Be careful...

- Check with a grown up that you are allowed to use each substance.
- Don't use anything with a warning/safety label.
- Don't use water that's too hot which could scald you.
- Take care if using any glass containers.
- Mop up any spills in case you slip.

## Method:

1. Measure 100ml of warm water and pour it carefully into your container.
2. Measure 1 teaspoon of the first substance and add it to the water.
3. Stir the substance in the water for 3 minutes.
4. Note if the substance was 'hydawdd' (dissolved and disappeared from view) or 'anhydawdd' (insoluble - still visible).
5. Do this for each substance.



